Report Date: 02 Feb 2015

Summary Report for Individual Task
052-247-1229
Construct a Cutting Station
Status: Approved

Distribution Restriction: Approved for public release; distribution is unlimited.

Destruction Notice: None

Foreign Disclosure: FD1 - The materials contained in this course have been reviewed by the course developers in coordination with the Ft Leonard Wood MO/MSCOE foreign disclosure authority. This course is releasable to students from all requesting foreign countries without restrictions.

Condition: You are a member of an Urban Search and Rescue (US&R) team given an incident that requires multiple wooden shores and braces, US&R tool kit, construction grade lumber, nails, and screws. This task should not be trained in MOPP 4.

Standard: Construct a cutting station with built in templates or jigs so the preparation of shoring fixtures will be expedited in accordance with (IAW) National Fire Protection Association (NFPA) 1006 and United States Army Corps of Engineers US&R Structure Specialist Field Operations Guide (FOG).

Special Condition: None

Safety Risk: Low

MOPP 4: Never

Task Statements

Cue: None

DANGER

None

WARNING

None

CAUTION

None

Remarks: All required references and technical manuals will be provided by the local US&R Command.

Notes: None

Performance Steps

1. Choose an appropriate cutting station location.

   a. Select an area large enough for the cutting station and the cutting team.

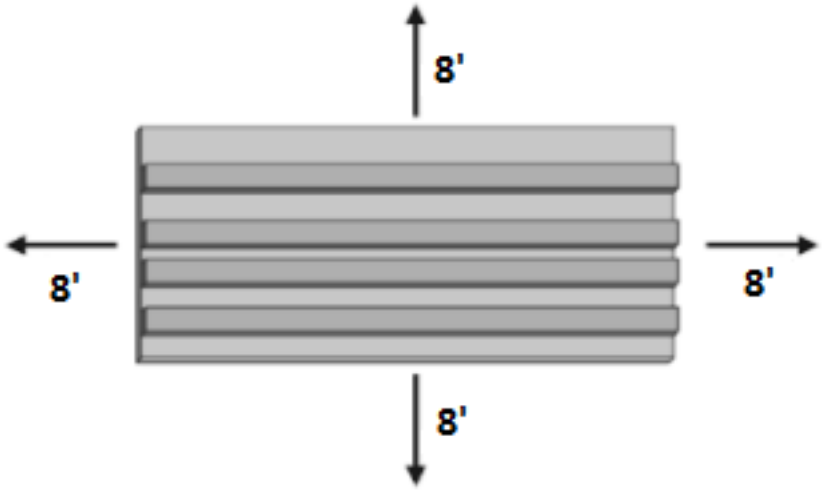

Figure 052-247-1229-1
Cutting Station Safe Area

   b. Set up station close to the shoring objective near wood material supply.

2. Construct the cutting station top.
   Note: The top provides a flat surface and support for marking and cutting materials.

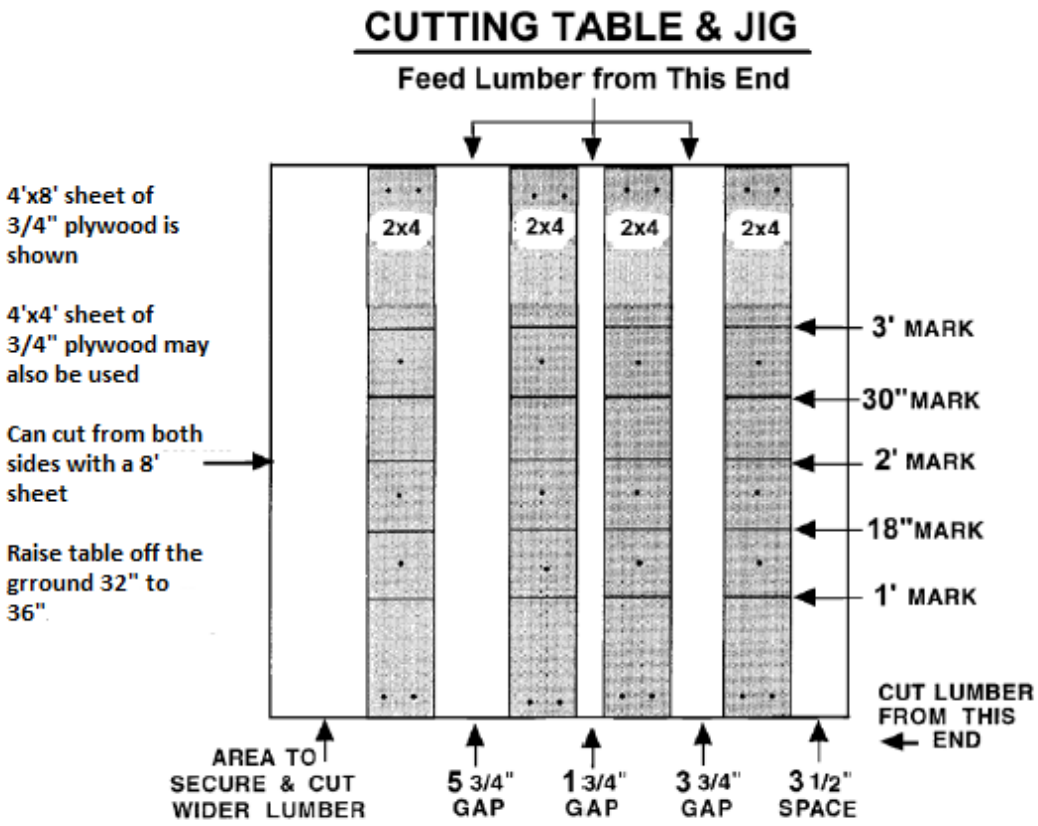

Figure 052-247-1229-2
Cutting Station Top

a. Select a 4'x8'x3/4" piece of plywood for the top.
Note: A 4'x4'x3/4" piece of plywood can be used if a full sheet of plywood is unavailable.

b. Place guides (jigs) on top.
Note: Guides are marked with commonly used lengths for quick measurements.

(1) Select 2"x4"s to be used as guides.
Note: Guides do not have to extend the full length of the top. Guides must be a minimum of 36" or multiple 2"x4" together must be 36".

(2) Space the first guide 3 1/2" from the edge and nail into place.

(3) Space the next guide 3 3/4" from the first and nail into place.

(4) Space the next guide 1 3/4" the previous one and nail into place.

(5) Space the last guide 5 3/4" from the previous one and nail into place.

(6) Mark guides at 12", 18", 24", 30", & 36".

3. Attach the legs to the bottom side of the table top.
Note: Cutting station should be 32"-36" high.

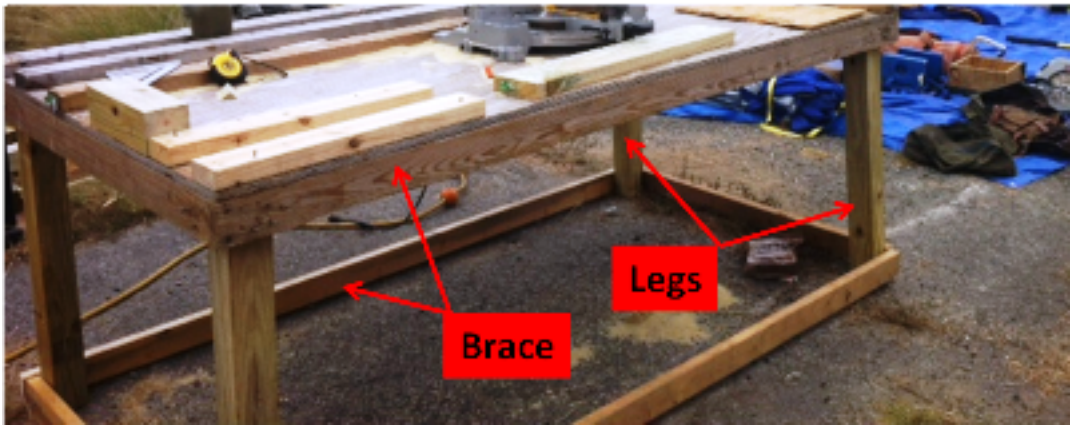

Figure 052-247-1229-3
Cutting Station Legs & Braces

a. Select 4"x4" lumber and cut to appropriate height.

b. Secure the legs to the corners of the top using 16d nails.

c. Brace the table legs to prevent them from collapsing.

Note: There are numerous ways to brace the cutting station legs. (e.g. using 2"x4" along the top, middle, or bottom of the legs, diagonal from the top of one leg to the bottom of another).

(Asterisks indicates a leader performance step.)

Evaluation Guidance: Brief Soldier: Tell the Soldier to construct a cutting station used with available materials to provide a template or jig for the preparation of shoring materials IAW NFPA and FEMA guidelines.

Evaluation Preparation: Soldier set-up: Provide the Soldier with all items listed in the conditions.

Brief the Soldier: Tell the Soldier to construct a cutting station ready for a structural collapse and trench rescue incident.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Chose an appropriate cutting station location.			
2. Constructed the cutting station top.			
3. Attached the legs to the top.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	Corps of Engineers	US Army Corps of Engineers, Urban Search and Rescue, Shoring Operations Guide, 3rd Edition	Yes	Yes
	NFPA 1006	Standard for Rescue Technician Professional Qualifications	No	No
	NFPA STDS AND REGS	National Fire Protection Association Standards and Regulations	No	No

Environment: Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to FM 3-34.5 Environmental Considerations and GTA 05-08-002 ENVIRONMENTAL-RELATED RISK ASSESSMENT.

Safety: In a training environment, leaders must perform a risk assessment in accordance with ATP 5-19, Risk Management. Leaders will complete the current Deliberate Risk Assessment Worksheet in accordance with the TRADOC

Safety Officer during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, Multiservice Tactics, Techniques, and Procedures for Nuclear, Biological, and Chemical (NBC) Protection, FM 3-11.5, Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Decontamination.

Prerequisite Individual Tasks : None

Supporting Individual Tasks :

Task Number	Title	Proponent	Status
052-247-1320	Construct Shoring Systems for a Light Frame Structure	052 - Engineer (Individual)	Analysis
052-247-1205	Implement Support Operations for a Trench Rescue Incident	052 - Engineer (Individual)	Analysis

Supported Individual Tasks :

Task Number	Title	Proponent	Status
052-247-1320	Construct Shoring Systems for a Light Frame Structure	052 - Engineer (Individual)	Analysis
052-247-1323	Construct Shoring Systems for a Heavy Frame Structure	052 - Engineer (Individual)	Analysis

Supported Collective Tasks : None